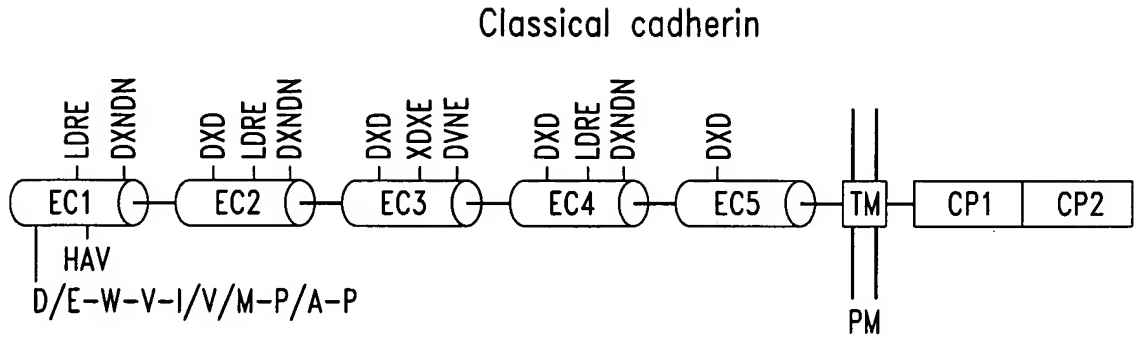

Fig. 1A

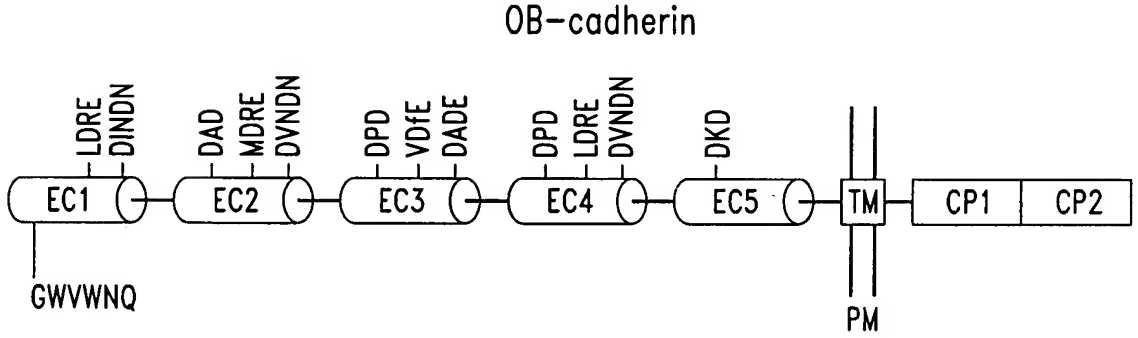

Fig. 1B

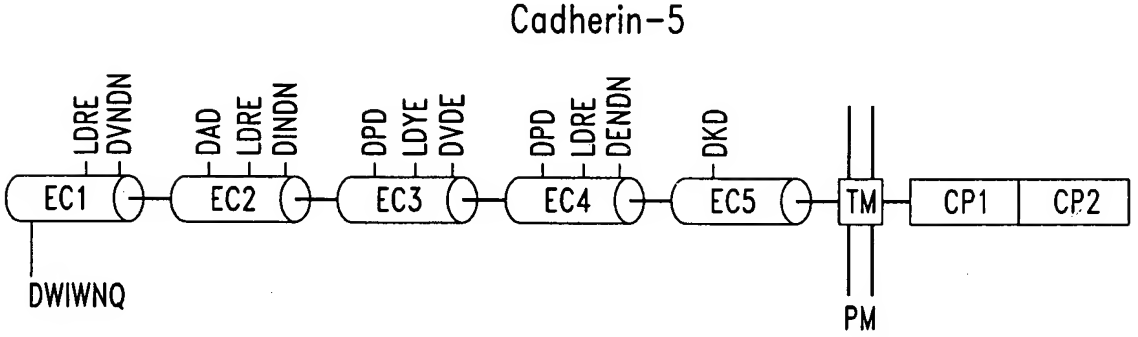

Fig. 1C

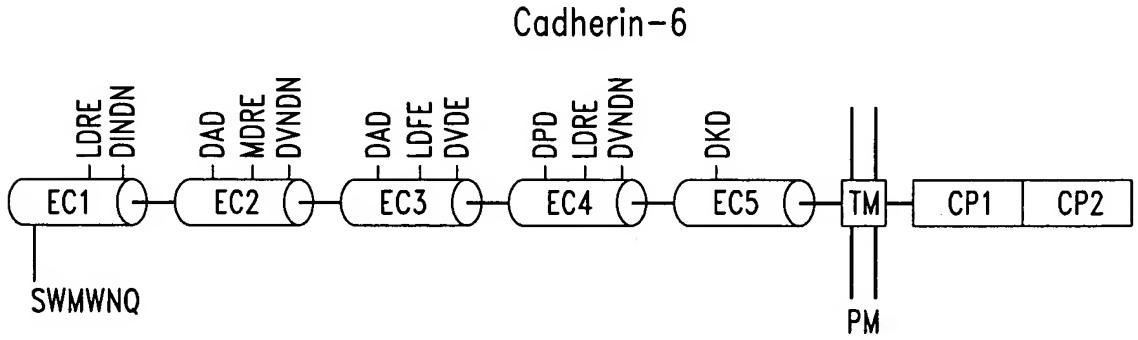

Fig. 1D

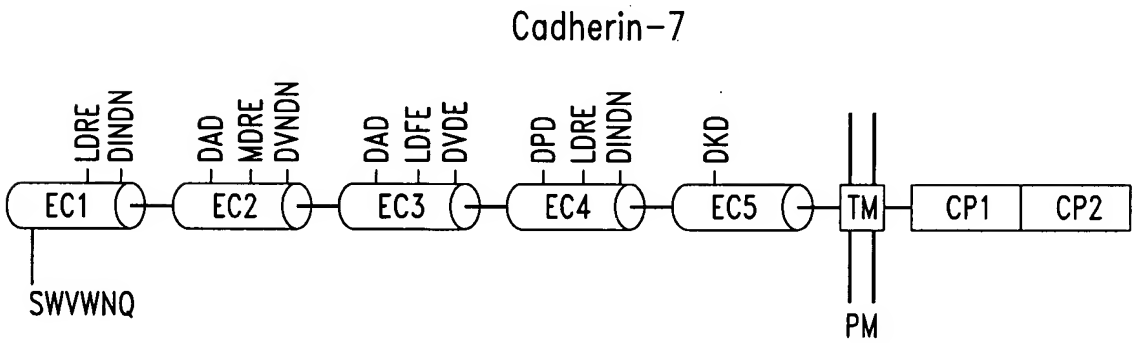

Fig. 1E

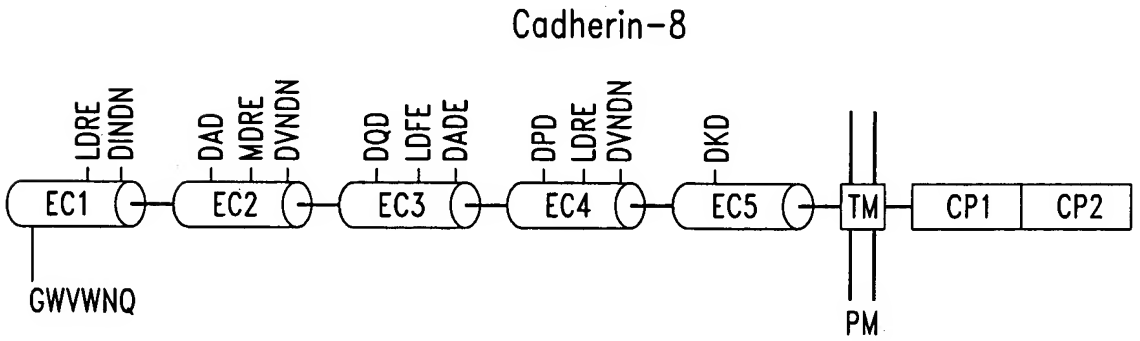

Fig. 1F

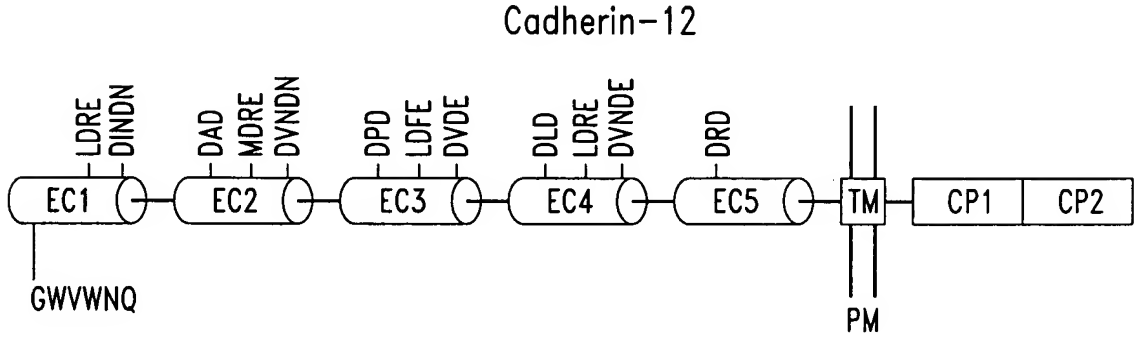

Fig. 1G

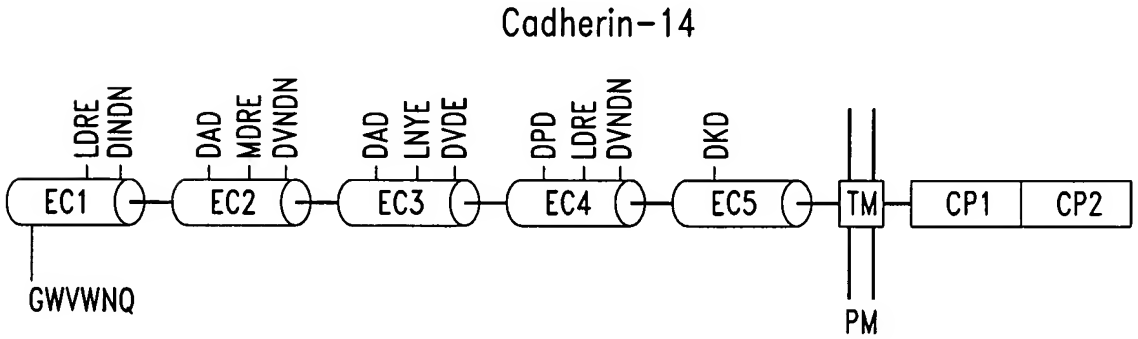

Fig. 1H

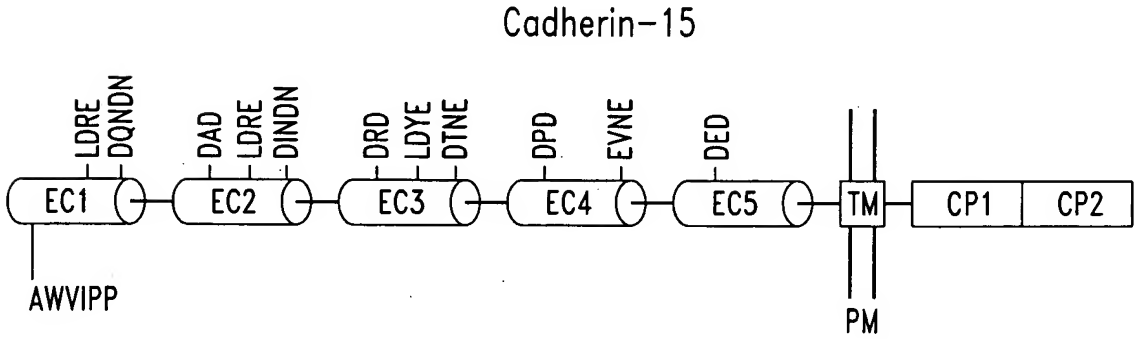

Fig. 1I

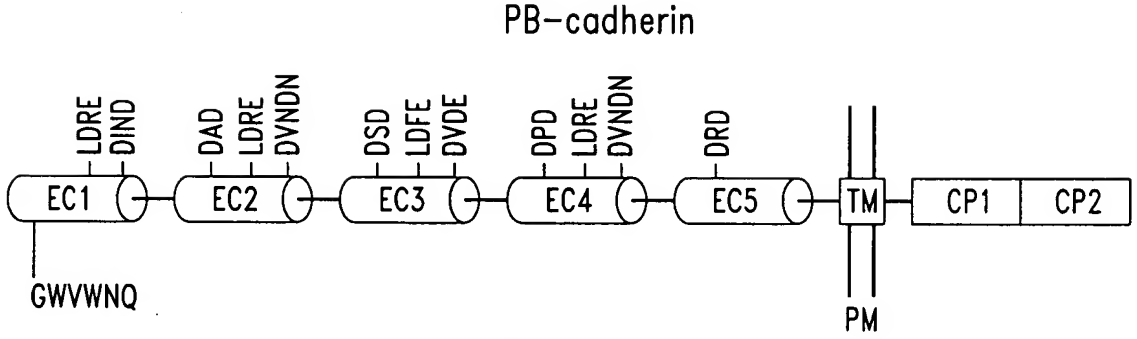
PB-cadherin
LDRE
DIND
DAD
LDRE
DVNDN
DSD
LDFE
DVDE
DPD
LDRE
DVNDN
DRD
EC1
EC2
EC3
EC4
EC5
TM
CP1
CP2
GWVWNQ
PM

Fig. 1J

Obcad	EC1	RSKRGWVWNQFFVIEEYTGPDPVLVGRLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLEPPSEFIVKVQDINDNPPEF
Cad5	EC1	RQKRDWIWNQMHIDEEKNTSLPHHVGKIKSSVSRKN--AKYLLKGEYVGKVFRVDAETGDVFAIERLDRENISEYHLTAVIVDKDTGENLETPSSFTIKVHDVNDNWPVF
Cad6	EC1	RSKRSWVWNQFLLEEYTGSDYQYVGKLHSDQDRGDGSLKYILSGDGAGDLFIINENTGDIQATKRLDREEKPVYILRAQAINRRTGRPVEPESEFIIKIHDINDNEPIF
Cad7	EC1	RTKRSWVWNQFFVLEEYMGSDPLYVGKLHSDVDKGDGSIKYILSGEGASSIFIIDENTGDIHATKRLDREEQAYYTLRAQAHDRLTNKPVEPESEFVIKIQDINDNEPKF
Cad8	EC1	RSKRGWVWNQMFVLEEFSGPEPILVGRLHTDLDPGSKKIKYILSGDGAGTIFQINDVTGDIHAIKRLDREEKAEYTLTAQAVDWETSKPLEPPSEFIIKVQDINDNAPEF
Cad12	EC1	RVKRGWVWNQFFVLEEYVGSEPQYVGKLHSDLDKGEGTVKYTLSGDGAGTVFTIDETTGDIHAIRSLDREEKPFYTLRAQAVDIETRKPLEPESEFIIKVQDINDNEPKF
Cad14	EC1	RPKRGWVWNQFFVLEEHMGPDPQYVGKLHSNSDKGDGSVKYILTGEGAGTIFIIDDTTGDIHSTKSLDREQKTHYVLHAQAIDRRTNKPLEPESEFIIKVQDINDNAPKF
PBcad	EC1	RVKRGWVWNQFFVVEEYTGTEPLYVGKIHSDSDEGDGTIKYTISGEGAGTIFLIDELTGDIHATERLDREQKTFYTLRAQARDRATNRLLEPESEFIIKVQDINDSEPRF

Fig. 2

```
Human G W V W N Q F F V I E E Y T G P D P V L V G R L H S D I D S G D G N I K Y I L S G E G A G
Mouse G W V W N Q F F V I E E Y T G P D P V L V G R L H S D I D S G D G N I K Y I L S G E G A G

Human T I F V I D D K S G N I H A T K T L D R E E R A Q Y T L M A Q A V D R D T N R P L E P P S
Mouse T I F V I D D K S G N I H A T K T L D R E E R A Q Y T L M A Q A V D R D T N R P L E P P S

Human E F I V K V Q D I N D N P P E F
Mouse E F I V K V Q D I N D N P P E F
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Fig. 3

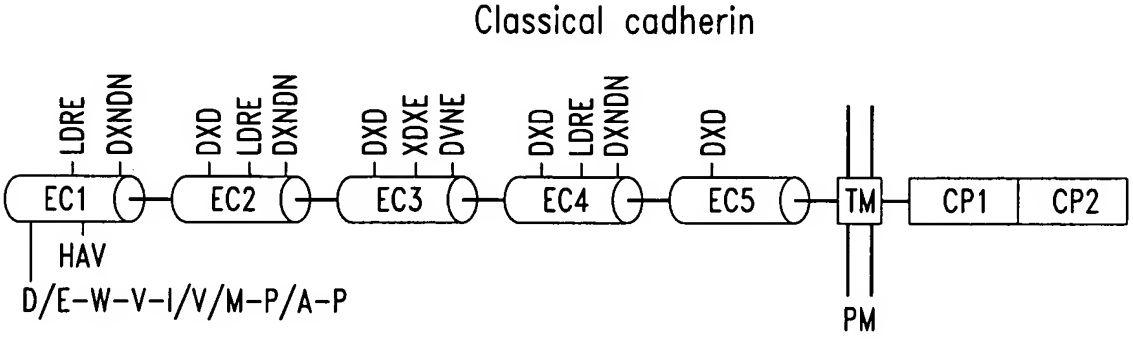


Fig. 4A

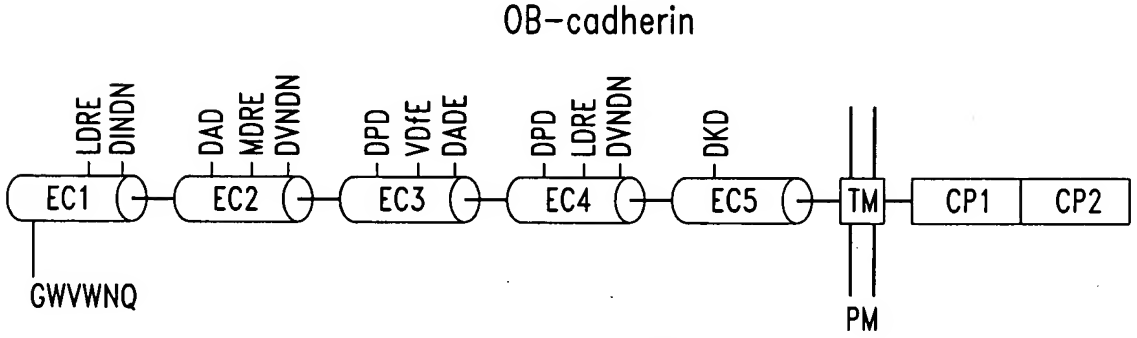


Fig. 4B

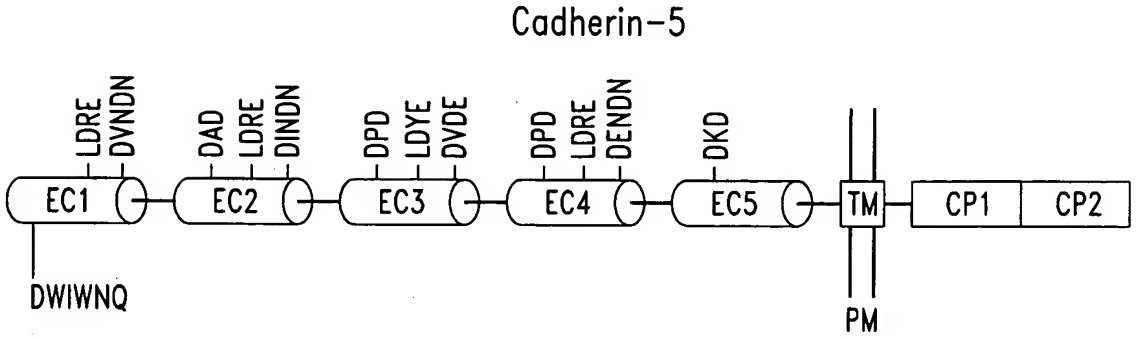


Fig. 4C

Desmoglein 1

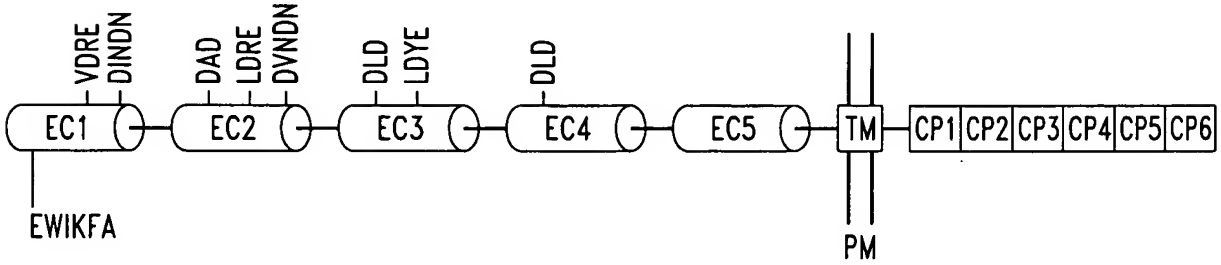


Fig. 4D

Desmoglein 2

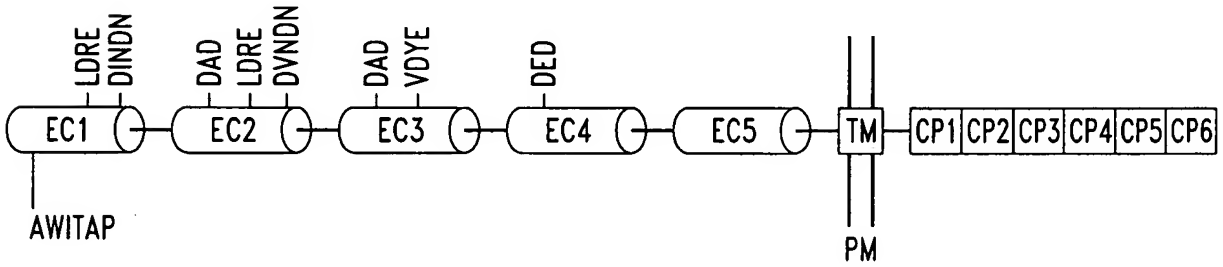


Fig. 4E

Desmocollin 1

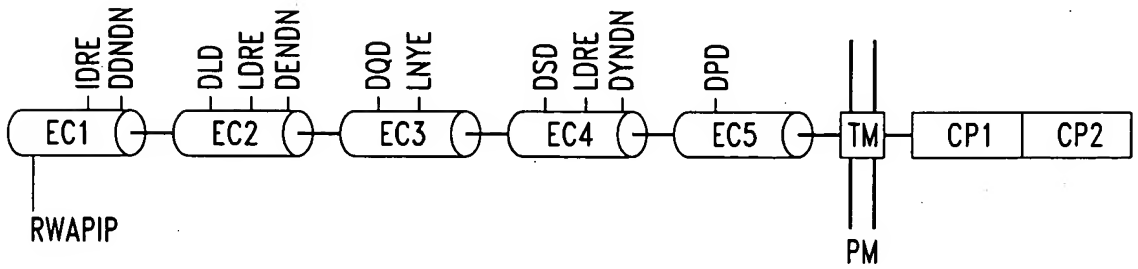


Fig. 4F

Desmocollin 2

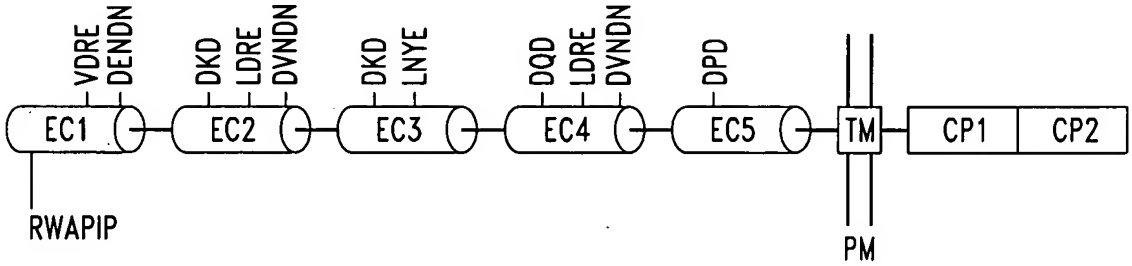


Fig. 4G

Desmocollin 3

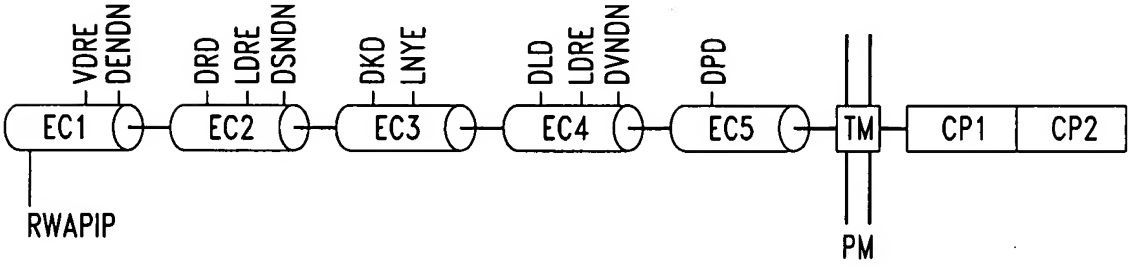


Fig. 4H

Desmocollin 4

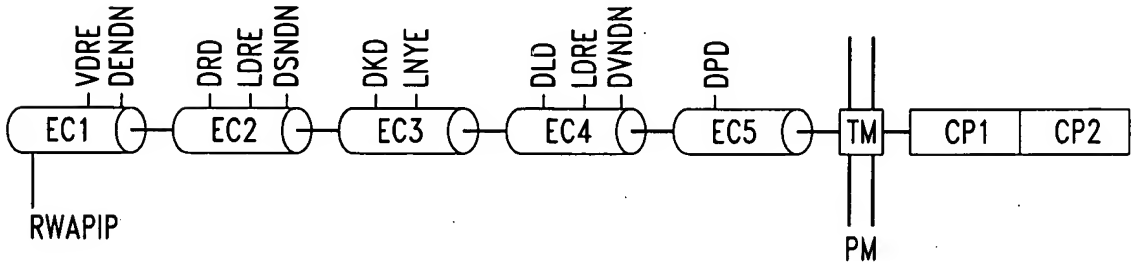
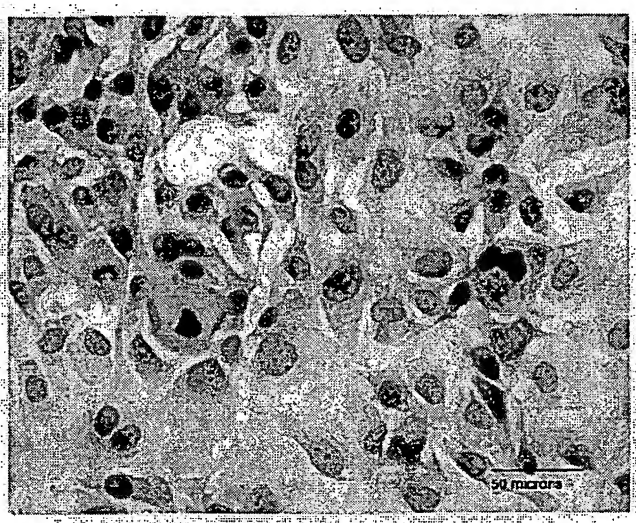


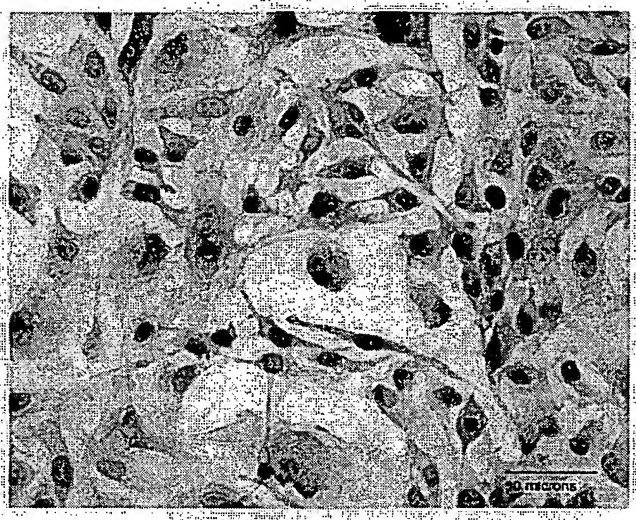
Fig. 4I

Human Dsg1	EWIKFAAACREGEDNSKRNPIAKIHSDCAANQ--QVTYRISGVGIDQPPYGIFVINQKTGEINITSIVDREVTPFFIIYCRALNSMGQDLERPLELRVRVLDINDNPPVF
Bull Dsg1	EWIKFAAACREGEDNSKRNPIAKIHSDCAANQ--QVTYRISGVGIDQPPYGIFVINQKTGEINITSIVDREVTPFFIIYCRALNSLGQDLEKPLELRVRVLDINDNPPVF
Human Dsg2	AWITAPVALREGEDLSKKNPIAKIHSDLAEERGLKITYKYTGKGITEPPFGIFVFNKDTGELNVTSILDREETPFFLLTGYALDARGNNVEKPLELRIKVLDINDNEPVF
Human Dsg3	EWVKFAKPCREGEDNSKRNPIAKITSDYQATQ--KITYRISGVGIDQPPFGIFVVDKNTGDINITAIVDREETPSFLITCRALNAQGLDVEKPLILTVKILDINDNPPVF
Mouse Dsg3	EWVKFAKPCRENEDNSRRNPIAKITSDFQKNQ--KITYRISGVGIDQPPFGIFVVDPNNGDINITAIVDREETPSFLITCRALNALGQDVERPLILTVKILDVNDNPPIF
Human Dsg4	EWIKFAAACREGEDNSKRNPIAKIRSDCESNQ--KITYRISGVGIDRPPYGVFTINPRTGEINITSVVDREITPLFLIYCRALNSRGEDLERPLELRVKVMDINDNAPVF
Mouse Dsg4	EWIKFAAACREGEDNSKRNPIARIRSDCEVSQ--RITYRISGAGIDRPPYGVFTINPRTGEINITSVVDREITPLFLIHCRALNSRGEDLERPLELRVKVMDVNDNPPVF
Mouse Dsg5	EWIKFAAACREGEDNSKRNPIAKIHSDCAANQ--PVTYRISGVGIDQPPYGIFIINQKTGEINITSIVDREVTPFFIIYCRALNAQGQDLENPLELRVRVMDINDNPPVF
Mouse Dsg6	EWIKFAAACREGEDNSKRNPIAKIHSDCAANQ--PVTYRISGVGIDQPPYGIFIINQKTGEINITSIVDREVTPFFIIYCRALNAQGQDLENPLELRVRVMDINDNPPVF
Human Dsc1	RWAPIPASLMENSLGPFPQHVQQIQSDAAQNY--TIFYSISGPGVDKEPFNLFYIEKDTGDIFCTRSIDREKYEQFALYGYATTADGYAPEYPLPLIIKIEDDNDNAPYF
Mouse Dsc1	RWAPIPCSLMENSLGPFPQHIQQIQSDAAQNY--TIFYSISGPGVDKEPYNLFYIEKDTGDIYCTRSIDREQYDQFLVYGYATTADGYAPDYPLPLFKVEDDNDNAPYF
Bull Dsc1	RWAPIPCSLMENSLGPFPQHVQQVQSDAAQNY--TIFYSISGPGVDKEPFNLFFIEKDTGDIFCTRSIDREQYQEFPIYAYATTADGYAPEYPLPLVFKVEDDNDNAPYF
Human Dsc2	RWAPIPCSMLENSLGPFPLFLQQVQSDTAQNY--TIYYSIRGPGVDQEPRNLFYVERDTGNLYCTRPVDREQYESFEIIAFATTPDGYTPELPLPLIIKIEDENDNYPIF
Dog Dsc2	RWAPIPCSMQENSLGPFPLFLQQIQSDTAQNY--TIFYSIRGPGVDREPKNLFYVERDTGNLFCTRPVDREEYESFELIAFATTPDGYTPELPLPLVIRIEDENDNYPIF
Human Dsc3	RWAPIPCSMQENSLGPFPLFLQQVESDAAQNY--TVFYSISGRGVDKEPLNLFYIERDTGNLFCTRPVDREEYDVFDLIAYASTADGYSADLPLPLPIRVEDENDNHPVF
Mouse Dsc3	RWAPIPCSMQENSLGPFPLFLQQVQSDAAQNY--TVFYSISGRGADQEPLNWFFIERDTGNLYCTRPVDREEYDVFDLIAYASTADGYSADLPLPLPIKIEDENDNYPLF
Bull Dsc3	RWAPIPCSMQENSLGPFPLFLQQVQSDAAQNY--TIFYSISGRGVDKEPLNLFFIERDTGNLYCTQPVDREEYDVFDLIAYASTADGYSADFPLPLPIRVEDENDNHPIF
Human Dsc4	RWAPIPCSMQENSLGPFPLFLQQVESDAAQNY--TVFYSISGRGVDKEPLNLFYIERDTGNLFCTRPVDREEYDVFDLIAYASTADGYSADLPLPLPIRVEDENDNHPVF

Fig. 5



Control



ADH358

Confluent cultures of SKOV3 cells treated with ADH358 (1.0 mg/ml) for 24 h.

Fig. 6